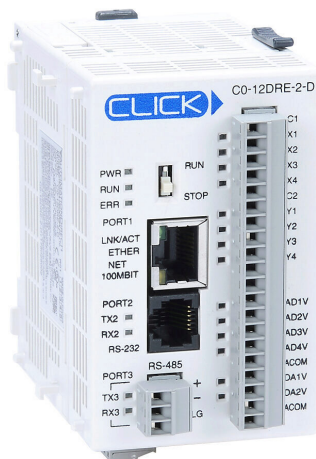


# C0-12DRE-2-D Cut Sheet



CLICK Ethernet Analog PLC, 24 VDC required, Ethernet and serial ports, Discrete Input: 4-point, DC, Analog Input: 4-channel, voltage, Discrete Output: 4-point, relay, Analog Output: 2-channel, voltage.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/C0-12DRE-2-D>

## Technical Specifications

Brand	CLICK
Item	PLC
Series	Ethernet Analog
Ladder Memory	8k steps
User Data Memory	16 KB
Programming Language	Ladder
Programming Software	CLICK programming software v2.20 or later and CLICK CPU firmware v2.20 or later
Communication Port and Connection Type(s)	<ul style="list-style-type: none"><li>• (1) Ethernet 10/100Base-T (RJ45)</li><li>• (1) RS-232 (RJ12)</li><li>• (1) RS-485 (3-pin terminal)</li></ul>
Port Protocol(s)	<ul style="list-style-type: none"><li>• Modbus TCP Client/Server</li><li>• Modbus RTU Master/Slave</li><li>• ASCII In/out</li><li>• EtherNet/IP explicit messaging adapter</li><li>• EtherNet/IP implicit messaging adapter</li><li>• programming and monitoring</li></ul>
Port Speed(s)	<ul style="list-style-type: none"><li>• 10/100 Mbps</li><li>• up to 115.2k baud</li></ul>
Mobile App Enabled	CLICK Remote PLC Android/iOS App
Real Time Clock/Calendar	Yes
Retentive Memory	Yes
Battery Backup	Yes
Maximum Expansion Modules Allowed	8
External Power Requirement	24 VDC
Number of Discrete Input Points	4
Nominal Input Voltage	24 VDC
Voltage Type	DC
Discrete Input Type	Sinking/sourcing
Number of Isolated Discrete Input Commons	1
Number of Points per Discrete Input Common	4

Number of Discrete Output Points	4
Nominal Output Voltage	6-240 VAC/6-27 VDC
Discrete Output Type	Relay
Relay Configuration	(4) Form A (SPST) relays
Load Current	1A/point
Number of Isolated Discrete Output Commons	1
Number of Points per Discrete Output Common	4
Number of Analog Input Channels	4
Analog Input Signal Type	Voltage
Number of Non-Isolated Analog Input Commons	1
Number of Points per Analog Input Common	4
Input Resolution	12-bit
Input Voltage Signal Range	Input voltage signal range(s) of 0-10 VDC
Number of Analog Output Channels	2
Analog Output Signal Type	Voltage
Number of Non-Isolated Analog Output Commons	1
Number of Points per Analog Output Common	2
Output Resolution	12-bit
Output Voltage Signal Range	0-10 VDC
Maximum Number of PID Loops	8
Number of High-Speed Capable Input Points	4

# C0-12DRE-2-D Cut Sheet

<b>High-Speed Counter(s)</b>	<ul style="list-style-type: none"><li>• up to (4) up counters</li><li>• up to (4) down counters</li><li>• up to (2) up/down counters</li><li>• up to (2) pulse/direction (bi-directional) counters</li><li>• up to (2) quadrature (A and B) counters</li><li>• up to (1) quadrature (A and B with Z) counter</li></ul>
<b>Interval Measurement</b>	<ul style="list-style-type: none"><li>• up to (4) single input (edge) timers</li><li>• up to (2) dual input (dual edge) timers</li></ul>
<b>Duration Measurement</b>	up to (4) single input (edge) timers
<b>Frequency Measurement</b>	<ul style="list-style-type: none"><li>• up to (4) single input up counters</li><li>• up to (2) quadrature input (A and B) counters</li></ul>
<b>Interrupt(s)</b>	<ul style="list-style-type: none"><li>• up to (4) input interrupts</li><li>• up to (4) timer interrupts</li></ul>
<b>Table-Driven Input(s)</b>	up to (4) preset tables
<b>Includes</b>	Removable terminal block
<b>Additional Information</b>	Purchase D2-BAT-1 backup battery separately

## Agency Approvals

<b>UL Listed File #</b>	E157382
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/C0-12DRE-2-D.pdf>  
See store item page for other formats.